Equivalent of Form PTO/SB/08a (01-08) Approved for use through 02/29/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

NAY 0 6 2018

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use as many sheets as necessary)

of

Sheet

Complete if Known			
Application Number	10/561,780		
Filing Date	§ 371 Date: July 2, 2007		
First Named Inventor	KOLOSSOV, Eugen		
Art Unit	1632		
Examiner Name	NOBLE, Marcia Stephens		
Attorney Docket Number	2590.0030002/EJH/SAC		

			U.S. PATENT DO	OCUMENTS		
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM/DD/YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number-Kind Code ^{2 (If Known)}		Applicant of Cited Bocument		
	USI	5,733,727	03/31/1998	Field		
	US2	7,105,344 B2	09/12/2006	Hescheler		
	US3	2004/0096432 A1	05/20/2004	Fleischmann et al.		
	US4	2006/0168665 A1	07/27/2006	Hescheler		
	US5	2008/0019952 A1	01/24/2008	Kolossov et al.		
					<u> </u>	
	-					
		-				
	<u> </u>		· · · · · · · · · · · · · · · · · · ·			
					- 	
**			-			

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM/DD/YYYY	Name of Patentee or Applicant of Cited Document	
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			T ⁶
	FP1	WO 02/051987 A1	07/04/2002	Axiogenesis AG	Abs
	FP2	WO 03/010303 A1	02/06/2003	ES Cell Intern. Pte Ltd.; Netherlands Instituut voor Ontwikkelingsbiologie	
					-

791030v1

Examiner	Date	
Signature	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Equivalent of Form PTO/SB/08b (01-08) Approved for use through 02/29/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

duction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449/PTO Complete if Known 10/561,780 Application Number INFORMATION DISCLOSURE Filing Date § 371 Date: July 2, 2007 First Named Inventor KOLOSSOV, Eugen STATEMENT BY APPLICANT Art Unit 1632 (Use as many sheets as necessary) **Examiner Name** NOBLE, Marcia Stephens Sheet Attorney Docket Number 2590.0030002/EJH/SAC of

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	-	
	NPL1	KETTENHOFEN, R., et al., "Transgenic Murine Embryonic Stem Cells as an in vitro Model for Developmental Toxicity - An Alternative to the Gold Standard," Naunyn-Schmiedeberg's Arch. Pharmacol. 365, Suppl. 1:R154, Springer Verlag, Abstract Number 601 (March 2002)	
	NPL2	KOLOSSOV, E., et al., "Transplantation of the Cardiomyocytes Selected from Transgenically Designed ES cells: Quality Control and Engrafting Support of Fibroblasts," <i>Tissue Engineering</i> 9:853-854, Mary Ann Liebert, Inc., Abstract Number 230 (August 2003)	
	NPL3	MUMMERY, C., et al., "Differentiation of Human Embryonic Stem Cells to Cardiomyocytes: Role of Coculture With Visceral Endoderm-Like Cells," Circulation 107:2733-2740, Lippincott Williams and Wilkins (June 2003)	
	NPL4	MÜLLER, M., et al., "Selection of ventricular-like cardiomyocytes from ES cells in vitro," FASEB J. 14:2540-2548, The Federation of American Societies for Experimental Biology (2000)	
	NPL5	SACHINIDIS, A., et al., "Cardiac specific differentiation of mouse embryonic stem cells," Cardiovascular Research 58:278-291, Elsevier Science B.V. (May 2003)	
	NPL6	SPIELMANN, H., et al., "The use of transgenic embryonic stem (ES) cells and molecular markers of differentiation for improving the embryonic stem cell test (EST)," Congenit. Anom. 40:S8-S18, Japanese Teratology Society (2000)	
	NPL7	International Search Report for International Application No. PCT/EP2004/006698, mailed on February 1, 2005, European Patent Office, Netherlands	
	NPL8	U.S. Application No. 10/594,177 (U.S. National Phase of PCT/EP04/07529), inventors Ehlich, et al., I.A. filed July 8, 2004 (NOT YET PUBLISHED)	
	NPL9	U.S. Application No. 11/547,871 (U.S. National Phase of PCT/EP05/03662), inventors Bohlen, et al., I.A. filed April 7, 2005 (NOT YET PUBLISHED)	
	NPL10	U.S. Application No. 11/596,262 (U.S. National Phase of PCT/EP05/05087), inventors Bohlen, et al., I.A. filed May 11, 2005 (NOT YET PUBLISHED)	

791029v1

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.